14. (Previously Presented) The sheathed-element glow plug as recited in Claim 11, wherein the control circuit includes a means for determining the temperature of the heating element, and wherein the heating current is controlled as a function of a signal from said means.

15.-17. (Canceled)

18. (Currently Amended) The sheathed-element glow plug as recited in Claim [[17]] 10, wherein the chip is applied in the housing without packaging.

19. (Previously Presented) The sheathed-element glow plug as recited in Claim 10, further comprising: a housing, the heating element connectible to a ground potential of the housing.

20. (Previously Presented) The sheathed-element glow plug as recited in Claim 10, further comprising a regulator configured to adjust the heating current.

21. (Previously Presented) The sheathed-element glow plug as recited in Claim 10, wherein the switch includes a transistor.

22. (Previously Presented) The sheathed-element glow plug as recited in Claim 10, wherein the switch includes a chip connectible via one of at least one soldering element and at least one wire to at least one feed line.

23. (Previously Presented) The sheathed-element glow plug as recited in Claim 12, wherein the first feed line is adapted to be connected to the terminal in a direction facing away from the combustion chamber.

24. (Previously Presented) The sheathed-element glow plug as recited in Claim ~~16~~ 10, wherein the housing includes a raised helical rib for a screwing, the glow element adapted to be fastened in the opening of the combustion chamber via the screwing.

25.-27. (Canceled)

28. (Currently Amended) [[The sheathed-element glow plug as recited in Claim 10,]] A sheathed-element glow plug for a self-igniting internal combustion engine, comprising:

a heating element projecting into a combustion chamber of the internal combustion engine;

a current feed-through via which a heating current for the heating element is fed through an opening in the combustion chamber; and